

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **05209858 A**

(43) Date of publication of application: **20.08.93**

(51) Int. Cl

G01N 27/409
G01N 27/26

(21) Application number: **03012923**

(22) Date of filing: **09.01.91**

(71) Applicant: **NGK INSULATORS LTD**

(72) Inventor: **USAMI JUN**
NISHIWAKI MOTOSUKE

**(54) METHOD FOR ESTIMATING SERVICE LIFE OF
GAS ANALYZER**

(57) Abstract:

PURPOSE: To estimate a remaining service life of a sensor in a gas analyzer using the sensor having an electrochemical cell.

CONSTITUTION: Determination signals containing deterioration characteristics of change with time of a

sensor are sampled with appropriate time intervals, and a regression function approximately indicating a change with time of these determination signals is obtained. By calculating remaining time until the determination signal reaches a determined value as a preset sensor service life based on the regression function, the service life of the sensor is estimated.

COPYRIGHT: (C)1993,JPO&Japio